

ABSTRACT

The invention relates to an optical fiber receiver (11) for optoelectronic integrated circuits (OEIC's) having an improved sensitivity and improved bandwidth. The improvements are achieved by subdividing the photodiodes into partial photodiodes (D1, D2), whereby each partial photodiode is connected to a respective transimpedance amplifier (20, 21), and the output signals of the individual transimpedance amplifiers are added inside a summation amplifier (30). The optical fiber received can be produced using different technologies: CMOS, BICMOS, BIPOLAR.